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DLS:dnr:dm 12/19/00 4641-56502

12-29-00

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Express Mail Label No. EL696107149US
 Date of Deposit: December 27, 2000
 PATENT
 Attorney Reference Number 4641-56502

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box PATENT APPLICATION
 TO THE COMMISSIONER FOR PATENTS
 Washington, D.C. 20231

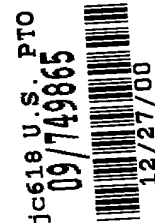


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Transmitted herewith for filing is the patent application of:

Inventors: Noriyuki Hirayanagi, Hajime Yamamoto and Tomoharu Fujiwara

For: WAFER CHUCKS ALLOWING CONTROLLED REDUCTION OF
 SUBSTRATE HEATING AND RAPID SUBSTRATE EXCHANGE



Enclosed are:

- ☒ 26 pages of specification, 12 pages of claims, an abstract and a Combined Declaration and Power of Attorney.
- ☒ 6 sheets of informal drawings.
- ☒ An assignment of the invention to Nikon Corporation, a Recordation Form Cover Sheet, and a check in the amount of \$40.00 for the recordal fee.
- ☒ A certified copy of each of Japanese patent applications nos. 11-373333, 11-373162, and 2000-004211.

FILING FEE

| For | Claims Filed | Number Free | Number Extra | Rate | Basic Fee |
|------------------------------|-----------------|----------------|-----------------|----------|------------|
| | | | | | \$710.00 |
| Total Claims | 46 | 20 | = 26 | \$18.00 | \$468.00 |
| Independent Claims | 11 | 3 | = 8 | \$80.00 | \$640.00 |
| Multiple Dependent Claim Fee | | | | \$270.00 | |
| TOTAL FILING FEE | | | | | \$1,818.00 |

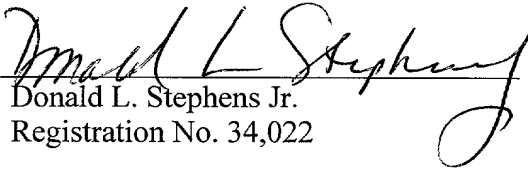
- ☒ A check in the amount of \$1,818.00 to cover the filing fee is enclosed.
- ☒ The Director is hereby authorized to charge any additional fees which may be required in connection with the filing of this application and recording any assignment filed herewith, or credit over-payment, to Account No. 02-4550. A copy of this sheet is enclosed.

☒ Please return the enclosed postcard to confirm that the items listed above have been received.

Respectfully submitted,

KLARQUIST SPARKMAN CAMPBELL
LEIGH & WHINSTON, LLP

Date: December 27, 2000

By 
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